



SINCE 1908

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (708) 953-9300

1186169 - R8 SDMS

Member of the SGS Group (Société Générale de Surveillance)

October 15, 1990

PLEASE ADDRESS ALL CORRESPONDENCE TO:
490 ORCHARD ST., GOLDEN, CO 80401
TELEPHONE: (303) 278-9521
FAX: (303) 278-1779

Mike Towne
#3 Soda Street
Rico, CO 81332

Mike:

Enclosed are the results of the two species acute, five dilution and the two species chronic, one dilution bioassays completed on the flume effluent using laboratory remake water as the dilution water.

No toxicity to Fathead minnows was observed, as usual. The effluent was acutely toxic to Ceriodaphnia, however, in 25, 50 and 100% dilutions, using Colorado's definition of acute toxicity as a statistically significant difference in mortality between the control and any effluent concentration.

Under the EPA's definition of acute toxicity, however, as greater than 50% mortality in any dilution, only the 100% effluent would be considered acutely toxic.

The effluent showed chronic toxicity to Ceriodaphnia under the EPA criterion that a statistically significant difference in reproduction occurred between the control and 46% effluent replicates.

The forms required by Colorado and by the EPA are enclosed with this letter, and copies of each in the report.

You'll receive an invoice from Commercial Testing and Engineering headquarters in Illinois, charging \$650 for the acute and \$950 for the chronic test, or \$1600 total.

-1-



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On August 7, I wrote David Sell to explain why these tests were costing \$2100 at that time, and said I would normally charge \$1825, but have since decided to charge \$1600.

When I wrote David, however, I did not know you'd need both acute and chronic tests for the third quarter of 1990, and told him your costs for biomonitoring in September would be only \$950, for the chronic. I'll write him today to point out my mistake, and I apologize for any inconvenience I've caused you.

Sincerely,



Fred Offenkrantz

Aquatic Biologist